FIG. 1

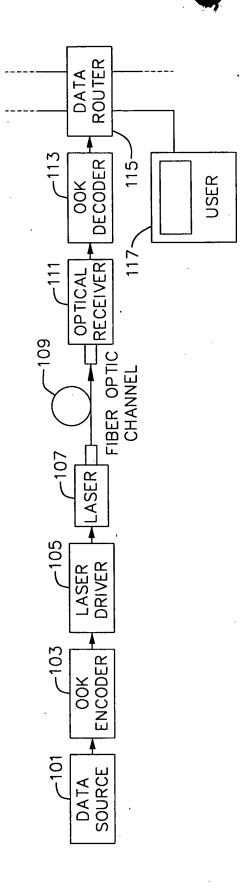
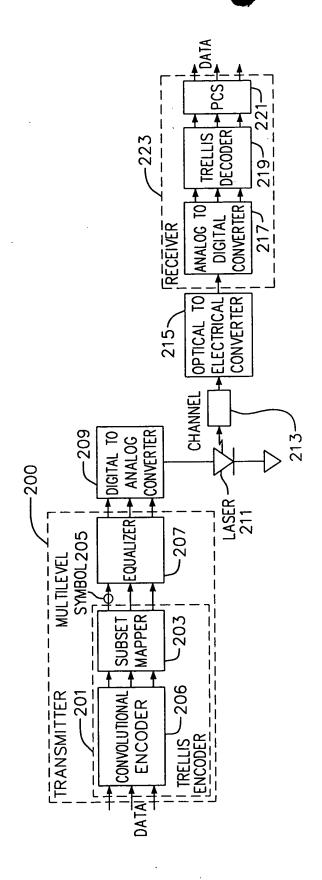
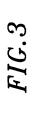


FIG. 2





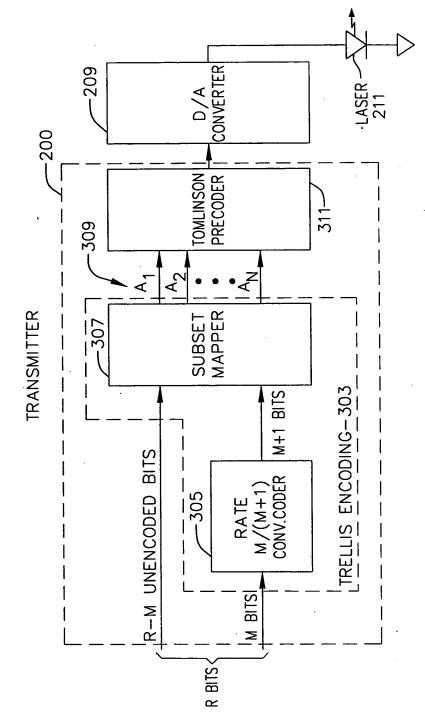
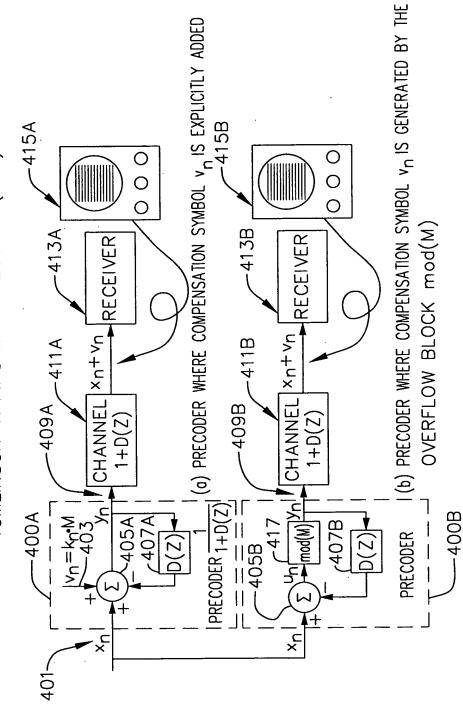
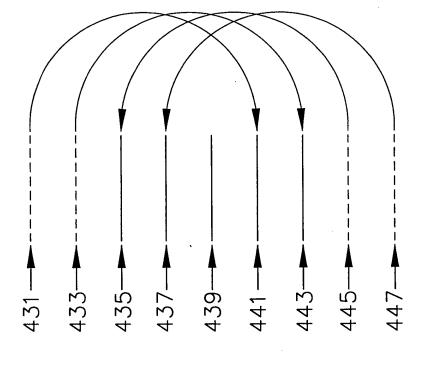


FIG.4

TOMLINSON-HARASHIMA PRECODING(THP)



 $FIG.4\alpha$



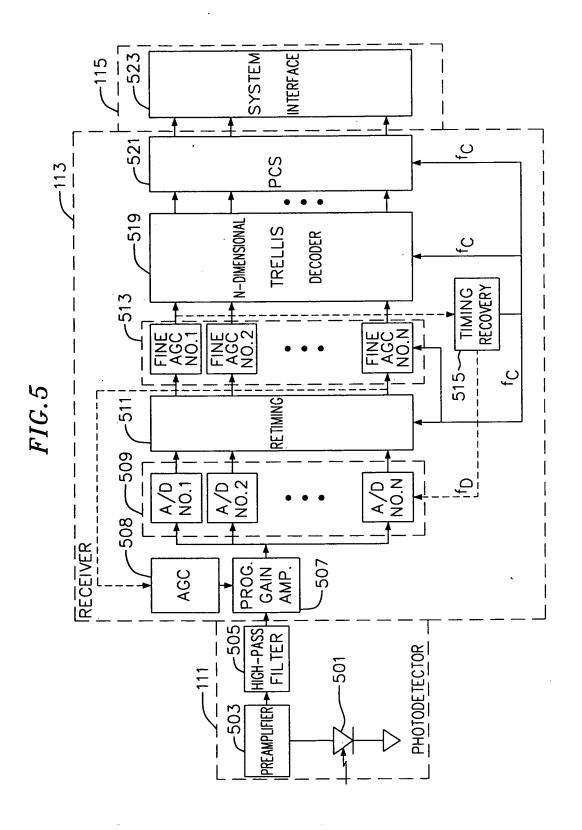
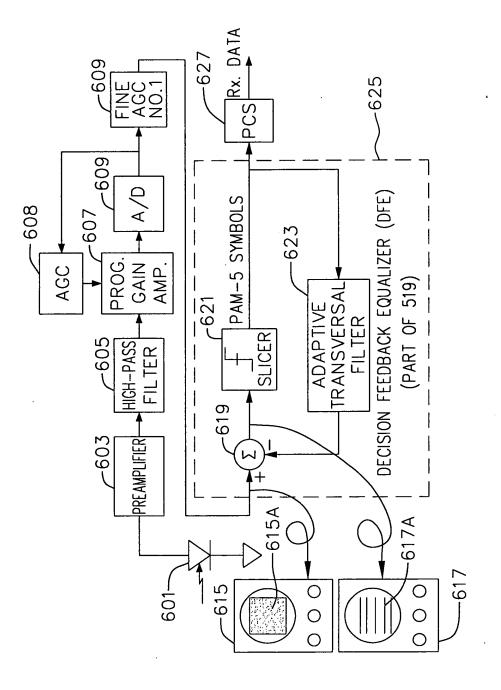


FIG. 6



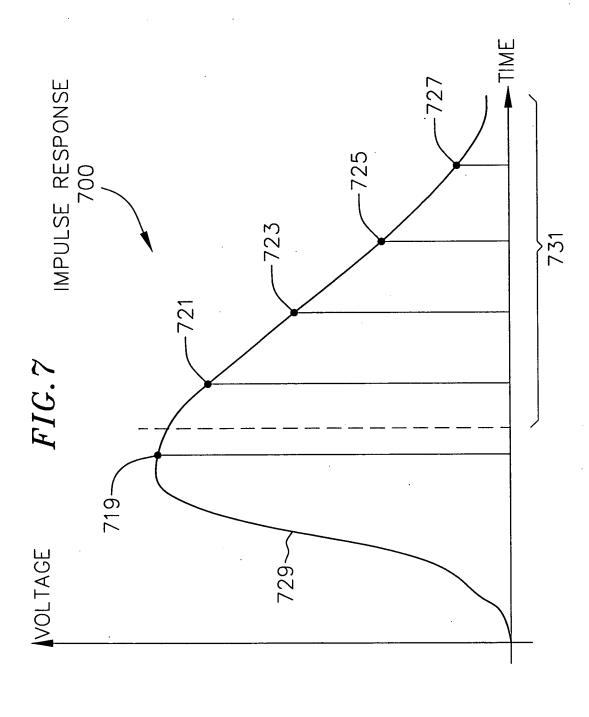
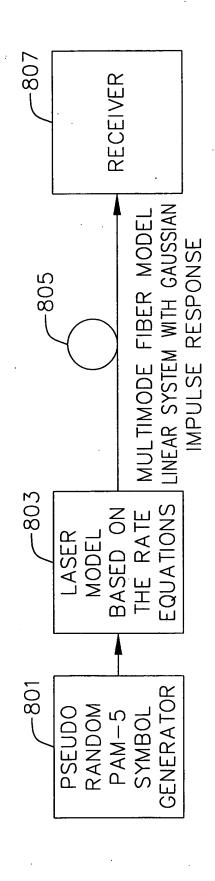


FIG.8

CHANNEL MODEL





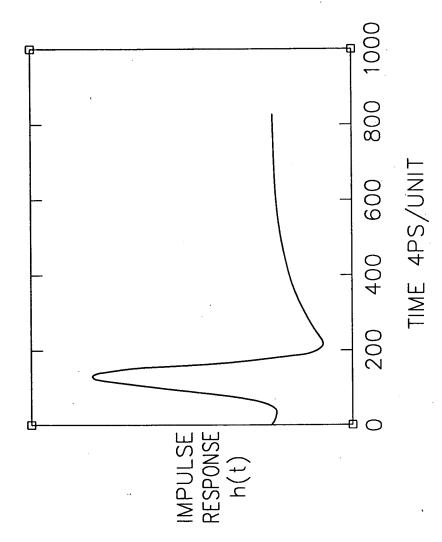


FIG. 10

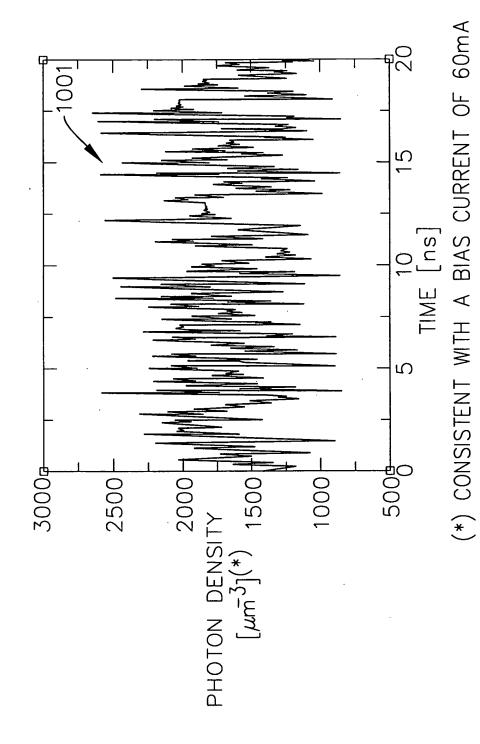
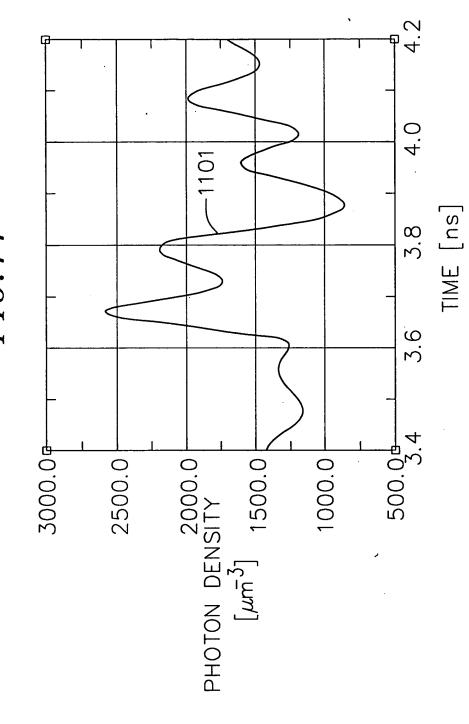
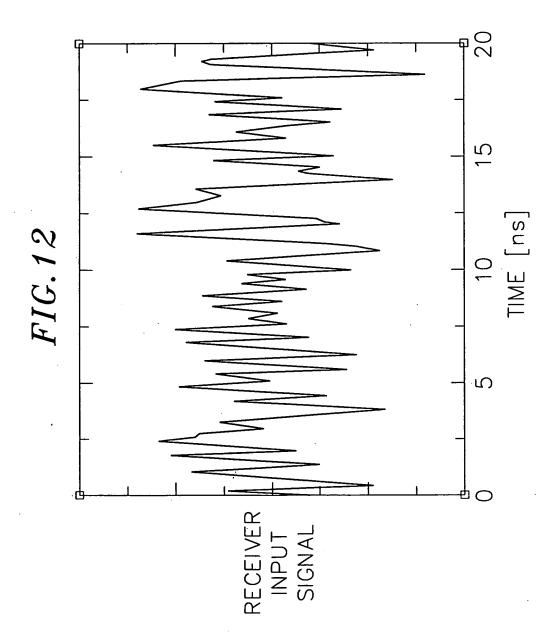
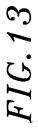


FIG. 11







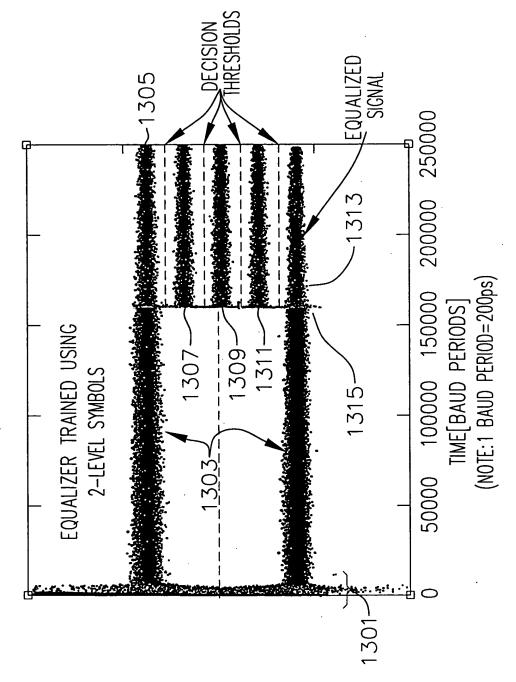


FIG. 14

